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FILE 'USPATFULL, USPAT2' ENTERED AT 15:13:53 ON 13 JAN 2005

L1	65793 S TITANIUM(W)DIOXIDE
L2	4250 S L1(S) (SUNSCREEN OR UV)
L3	1246 S L2 NOT PY>=2000

L3 ANSWER 20 OF 1246 USPATFULL on STN
 ACCESSION NUMBER: 1999:150631 USPATFULL
 TITLE: Sunscreen compositions
 INVENTOR(S): Tanner, Paul Robert, Maineville, OH, United States
 Irwin, Christopher, Cincinnati, OH, United States
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	NUMBER	KIND	DATE
PATENT INFORMATION:	US 5989528		19991123
APPLICATION INFO.:	US 1998-126486		19980730 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	Granted		
PRIMARY EXAMINER:	Dodson, Shelley A.		
LEGAL REPRESENTATIVE:	Kendall, Dara M., Henderson, Loretta J.		
NUMBER OF CLAIMS:	19		
EXEMPLARY CLAIM:	1		
LINE COUNT:	825		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

SUMM Preferred UVB **sunscreen** actives are selected from the group consisting of 2-phenyl-benzimidazole-5-sulfonic acid, TEA salicylate, octyl dimethyl PABA, zinc oxide, **titanium dioxide**, and mixtures thereof. A preferred organic **sunscreen** active is 2-phenyl-benzimidazole-5-sulfonic acid while preferred inorganic physical sunblocks are zinc oxide, **titanium dioxide**, and mixtures thereof. Salt and acid-neutralized forms of the acidic **sunscreens** are also useful herein.

CLM What is claimed is:
 . . . radical; and R.sub.3 is a hydrogen atom or a --CN radical; c) a safe and effective amount of a UVB **sunscreen** active selected from the group consisting of organic **sunscreen** actives, inorganic physical sunblocks, and mixtures thereof selected from the group consisting of 2-phenyl-benzimidazole-5-sulfonic acid, TEA salicylate, octyl dimethyl PABA, zinc oxide, **titanium dioxide**, and mixtures thereof provided that the composition comprises less than or equal to about 5% inorganic physical sunblock; and d). . .
 15. The composition of claim 1 wherein the UVB **sunscreen** active is a physical inorganic sunblock selected from the group consisting of zinc oxide, **titanium dioxide**, and mixtures thereof.

. . . the group consisting of 2-ethylhexyl-2-cyano-3,3-diphenylacrylate, ethyl-2-cyano-3,3-diphenylacrylate, 2-ethylhexyl-3,3-diphenylacrylate, ethyl-3,3-bis(4-methoxyphenyl)acrylate, and mixtures thereof; c) a safe and effective amount of a UVB **sunscreen** active selected from the group consisting of 2-phenyl-benzimidazole-5-sulfonic acid, TEA salicylate, octyl dimethyl PABA, zinc oxide, **titanium dioxide**, and mixtures thereof, provided that the composition comprises less than or equal to about 5% inorganic physical sunblock; and d). . .

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